AMENDMENTS TO THE CLAIMS

Please add claims 21 – 30 as follows.

1 1. (Original) A method of managing a distributed transaction, the method comprising

2   the steps of:

3   gathering latency information by monitoring latency of a network;

4   generating one or more time period values based on said latency information;

5   determining whether to terminate distributed transactions based on said one or more

6   time period values;

7   determining whether said latency information indicates that changes in the latency of

8   said network satisfy adjustment criteria; and

9   if said latency information indicates that changes in the latency of said network

10   satisfy adjustment criteria, then adjusting said one or more time period values.

1 2. (Original) The method of Claim 1, wherein a participant participating in said

2   distributed transaction executes a transaction from said distributed transaction and

3   terminates said transaction based on termination criteria that includes at least one

4   criterion based on a particular value from said one or more time period values.

1 3. (Original) The method of Claim 2, wherein said distributed transaction is managed by

2   a coordinator that cooperates with said participant to execute the distributed

3   transaction by communicating messages with the participant over the network.

1 4. (Original) The method of Claim 3, wherein the step of communicating with the

2   participant over the network is performed using a stateless protocol.

1 5. (Original) The method of Claim 4, wherein the stateless protocol is HTTP or HTTPS.

1 6. (Original) The method of Claim 3, wherein said particular value is based on a period

2   of time between when a message is transmitted between said coordinator and said

3   participant and when an acknowledgement that the message has been received is

4   received by the originator of the message.

1   7.   (Original) The method of Claim 1, wherein:

2   said one or more time period values includes a particular value;

3   the step of monitoring includes generating a set of one or more transit times, wherein

4   each of said set of one or more transit times reflects a period of time between

5   when a message is transmitted over the network from a sender to a receiver

6   and when the sender receives an acknowledgement from the receiver that the

7   receiver has received the message; and

8   wherein said adjustment criteria includes a criterion that each of said set of one or

9   more transit times lie outside a range associated with said particular value.

1   8.   (Original) The method of Claim 7, wherein the step of generating a set of one or more

2   transit times includes the step of generating at least two transit times.

1   9.   (Original) The method of Claim 7, wherein the step of generating a set of one or more

2   transit times is performed by pinging a server connected to a particular network.

1   10.   (Original) The method of Claim 2, further including the step of determining a

2   transaction execution threshold period that reflects a period of time needed for said

3   participant to execute operations for transactions, wherein said particular value is

4   based on said transaction execution threshold period.

1   11.   (Original) The method of Claim 1, wherein:

2   said transaction specifies a modification to an item of data; and

3   said participant determines whether said transaction satisfies termination criteria

4   before allowing another modification specified by another transaction for said

5   item of data.

1   12.   (Original) A method of managing a distributed transaction, the method comprising

2   the steps of:

3   determining a set of one or more transaction execution periods for transactions

4   executed by a participant that participates in distributed transactions, wherein

5   each transaction execution period of said set of one or more transaction

6   execution periods reflects the period of time that elapsed for said participant to

7   execute said each transaction;

8   if a difference between each of said set of one or more transaction execution periods

9   and a transaction execution threshold period satisfies adjustment criteria, then

10   adjusting said transaction execution threshold period; and

11   wherein termination criteria used to determine whether to terminate said distributed

12   transaction is based on said transaction execution threshold period.

1   13.   (Original) The method of Claim 12, wherein said adjustment criteria include a

2   criterion that said difference is so great that each of said set of one or more

3   transaction execution periods lies outside a range based on said transaction execution

4   threshold period.

1   14.   (Original) The method of Claim 12, further including the steps of

2   monitoring a network for changes in latency of the network; and

3   generating one or more time period values based on said changes in latency, wherein

4   said termination criteria include a criterion based on said one or more time

5   period values.

1   15.   (Original) A method of managing a distributed transaction, the method comprising

2   the steps of:

3   monitoring latency of a network, wherein said latency of said network is used to

4   generate one or more time period values used to determine whether to

5   terminate distributed transactions; and

6   if changes in latency satisfy adjustment criteria, then adjusting said one or more time

7   period values used to determine whether to terminate said distributed

8   transaction.

1   16.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions for managing a distributed transaction, wherein execution of the one or

3   more sequences of instructions by one or more processors causes the one or more

4   processors to perform the steps of:

5   gathering latency information by monitoring latency of a network;

6   generating one or more time period values based on said latency information;

7   determining whether to terminate distributed transactions based on said one or more

8   time period values;

9   determining whether said latency information indicates that changes in the latency of

10   said network satisfy adjustment criteria; and

11   if said latency information indicates that changes in the latency of said network

12   satisfy adjustment criteria, then adjusting said one or more time period values.

1   17.   (Original) The computer-readable media of Claim 16, wherein a participant

2   participating in said distributed transaction executes a transaction from said

3   distributed transaction and terminates said transaction based on termination criteria

4   that includes at least one criterion based on a particular value from said one or more

5   time period values.

1   18.   (Original) The computer-readable media of Claim 17, wherein said distributed

2   transaction is managed by a coordinator that cooperates with said participant to

3   execute the distributed transaction by communicating messages with the participant

4   over the network.

1   19.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions for managing a distributed transaction, wherein execution of the one or

3   more sequences of instructions by one or more processors causes the one or more

4   processors to perform the steps of:

5   determining a set of one or more transaction execution periods for transactions

6   executed by a participant that participates in distributed transactions, wherein

7   each transaction execution period of said set of one or more transaction

8   execution periods reflects the period of time that elapsed for said participant to

9   execute said each transaction;

10   if a difference between each of said set of one or more transaction execution periods

11   and a transaction execution threshold period satisfies adjustment criteria, then

12   adjusting said transaction execution threshold period; and

13   wherein termination criteria used to determine whether to terminate said distributed

14   transaction is based on said transaction execution threshold period.

1   20.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions for managing a distributed transaction, wherein execution of the one

3   or more sequences of instructions by one or more processors causes the one or

4   more processors to perform the steps of:

5   monitoring latency of a network, wherein said latency of said network is used to

6   generate one or more time period values used to determine whether to

7   terminate distributed transactions; and

8   if changes in latency satisfy adjustment criteria, then adjusting said one or more

9   time period values used to determine whether to terminate said distributed

10   transaction.

1   21.   (New) The computer-readable medium of Claim 18, wherein the step of

2   communicating with the participant over the network is performed using a stateless

3   protocol.

1   22.   (New) The computer-readable medium of Claim 21, wherein the stateless protocol is
2   HTTP or HTTPS.

1   23.   (New) The computer-readable medium of Claim 18, wherein said particular value is
2   based on a period of time between when a message is transmitted between said
3   coordinator and said participant and when an acknowledgement that the message has
4   been received is received by the originator of the message.

1   24.   (New) The computer-readable medium of Claim 16, wherein:
2   said one or more time period values includes a particular value;
3   the step of monitoring includes generating a set of one or more transit times, wherein
4   each of said set of one or more transit times reflects a period of time between
5   when a message is transmitted over the network from a sender to a receiver
6   and when the sender receives an acknowledgement from the receiver that the
7   receiver has received the message; and
8   wherein said adjustment criteria includes a criterion that each of said set of one or
9   more transit times lie outside a range associated with said particular value.

1   25.   (New) The computer-readable medium of Claim 24, wherein the step of generating a
2   set of one or more transit times includes the step of generating at least two transit
3   times.

1   26.   (New) The computer-readable medium of Claim 24, wherein the step of generating a
2   set of one or more transit times is performed by pinging a server connected to a
3   particular network.

1   27.   (New) The computer-readable medium of Claim 17, the steps further including the
2   step of determining a transaction execution threshold period that reflects a period of
3   time needed for said participant to execute operations for transactions, wherein said
4   particular value is based on said transaction execution threshold period.

1   28.   (New) The computer-readable medium of Claim 16, wherein:

2   said transaction specifies a modification to an item of data; and

3   said participant determines whether said transaction satisfies termination criteria

4   before allowing another modification specified by another transaction for

5   said item of data.

1   29.   (New) The computer-readable medium of Claim 19, wherein said adjustment criteria

2   include a criterion that said difference is so great that each of said set of one or more

3   transaction execution periods lies outside a range based on said transaction execution

4   threshold period.

1   30.   (New) The computer-readable medium of Claim 19, the steps further including the

2   steps of:

3   monitoring a network for changes in latency of the network; and

4   generating one or more time period values based on said changes in latency, wherein

5   said termination criteria include a criterion based on said one or more time

6   period values.